application has been filed to isolate the claims having a so-called "re-capture" rejection under 35 U.S.C. §251 for consideration on appeal.

Patentees respectfully request that the Commissioner cause several patents to be issued for distinct and separate parts of the thing patented. *Cf.* 37 C.F.R. 1.177. The Examiner is directed to MPEP 1451, 7th ed., where it states the following:

> A continuation of a reissue is by definition not "for distinct and separate parts of the thing patented" as called for in the second paragraph of 35 U.S.C. 251. The decision of *In re Graff*, 111 F.3d 874, 42 USPQ2d 1471 (Fed. Cir. 1997) interprets 35 U.S.C. 251 to permit multiple reissue patents to issue even where the multiple reissue patents are not for "distinct and separate parts of the thing patented.". . . . Accordingly, a continuation of a reissue application will be permitted to issue (despite the presence of the parent reissue) where the continuation complies with the rules for reissue.

Therefore, Patentees respectfully request entry of this Amendment for the above-captioned reissue patent application.

AMENDMENTS

In the Claims

Please amend the claims as indicated below.

Please cancel claims 1-13 without prejudice.

Please add the following new claims 14-23.

--14. A measurement apparatus for continuous, simultaneous measurement of electrical physiological complex waveforms from neural samples, comprising:

(A) an integrated neural sample holding instrument provided with a plurality of microelectrodes arranged in a matrix form and adherent to a substrate, conductive pathways connected to the microelectrodes, said microelectrodes being within a neural sample holding part which is constructed to contain said at least one said neural sample and including said plurality of microelectrodes; said conductive pathways for providing electric stimulation signals to said microelectrodes and for leading out an electric signal from said microelectrodes;

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(B) a signal processor connectable to said conductive pathways of said integrated neural sample holding instrument suitable for processing said signals arising from electric physiological activities of said at least one neural sample and reflecting said signals as said complex waveforms, and

(C) a stimulation signal supply connectable to all of said conductive pathways for providing electric stimulation to said neural sample.

15. The measurement apparatus of claim 14 further comprising a culturing apparatus for maintaining an environment for culturing said neural sample on said integrated neural sample holding instrument.

16. The measurement apparatus of claim 15 wherein the culturing apparatus comprises a temperature adjustment for maintaining a constant temperature, a circulator for circulating a solution, and a gas supply.

17. The measurement apparatus of claim 14 wherein said plurality of microelectrodes comprise 64 electrodes arranged in eight columns and eight rows.

18. The measurement apparatus of claim 14 wherein said microelectrodes each have an electrode area of $4x10^2$ μm^2 to $4x10^4$ μm^2.

19. The measurement apparatus of claim 14 further comprising an optical microscope, an image pick-up device, and an image display device connected to the optical microscope.

20. The measurement apparatus of claim 19 further comprising an image storage device.

21. The measurement apparatus of claim 14 wherein said stimulation signal supply comprises a pulse signal generator.